ABSTRACT:

Fuzzy Topographic Topological Mapping (FTTM) is a mathematical model for solving neuromagnetic inverse problem where FTTM is a set consisting of elements with four components and three algorithms which link between the four components. In this study, we show that the first component of FTTM, namely magnetic contour plane which contains electroencephalography signals during epileptic seizure can be viewed as a semigroup of square matrices under matrix multiplication.